

Jason Au

585.771.0024 - jxa2009@rit.edu - jxa2009.github.io

OBJECTIVE

Seeking a co-op to further develop skills and acquire experience. Available in the summer and fall of 2019.

EDUCATION

Rochester Institute of Technology	B.S. Computer Engineering	Graduating 2022	3.62/4.00
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PROJECTS/LABS

Reverse Image Searcher - Project

Problem: Was seeking a method of generating an Amazon link for a product with only an image.

Solution: Designed a program to use Google's reverse image searching database and use returned data to provide the user with an Amazon link to the product in the image. The website returned was interchangeable. Program was integrated with Discord to deepen understanding of another library and provide accessibility to others.

Tools: Python, Discord

Game Time Tracker – Project

Problem: Desired a mechanism to track time spent on programs and games for personal organization

Solution: Learned the Discord.py library and how to create a Discord Bot that would allow users to opt in to having the amount of time they spent on games tracked. Allowed other users to access the Bot's features and opt out at any point.

Tools: Python, Discord

Raspberry Pi Passcode– Project

Problem: Wanted a way to simulate a passcode-based lock with external inputs to a Raspberry Pi.

Solution: Learned how to utilize GPIO pins on a Raspberry Pi to detect a specific combination of inputs from external buttons. A successful combination sends a notification to the user via email that the successful passcode was entered.

Tools: Python, Raspberry Pi, GPIO

EXPERIENCE

Restaurant Worker

November 2016 – January 2018

Crepe N' Go, Rochester NY

Responsible for all customer interactions. Including, taking orders, serving them, and cleaning. Everything except for cooking.

Computer Engineering Tutor

March 2018 - Present

Rochester Institute of Technology, Rochester NY

Aid other students with their homework and studies with Computer Engineering classes. Hold weekly meeting times.

CLUBS

Society of Asian Scientists and Engineers

January 2018 – Present

Nationwide club seeking develop members' professionally. Offers opportunities to contribute to their local community. Simultaneously promotes Asian culture and heritage.

SKILLS

Programming Languages: C, Python, Java, VHDL, ARM Assembly, HTML

Software: Altera Quartus, ModelSim, OrCAD CaptureCIS, Vivado

Hardware: Oscilloscope, Digital Multimeter, Waveform Generator, Arduino